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08/11/1999 - 09:33:53

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Patent Document Number : 2259483

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MAGNETIC DISK SUBSTRATES FORMED OF
CERAMIC-METAL MATRIX COMPOSITES WITH OR WITHOUT
METAL CLADDING

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SUBSTRATS DE DISQUES MAGNETIQUES CONSTITUES DE
COMPOSITES EN CERAMIQUE- MATRICE METALLIQUE
AVEC OU SANS PLACAGE METALLIQUE

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ISSUED:

May 21, 1997

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LAID OPEN:

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INTERNATIONAL CLASS: C22C 21/00; B32B 15/04; C22C 1/05;
G11B 5/704; G11B 5/84

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APPLICATION PRIORITY DATA:

Application No.	Country	Date
08/674,140	US	July 1, 1996

ABSTRACT:

A rigid disk substrate for a magnetic recording disk is formed of a ceramicmetal matrix composite. A metal-cladding may be included around the ceramicmetal matrix composite to form a sandwich structure. The ceramic-metal matrix composite has a composition ranging from approximately 1 to 40 weight % of ceramic and 60 to 99 weight % of metal matrix. The metal matrix material and the metal cladding material are aluminum or an aluminum alloy.

CLAIMS: [Show all claims](#)

*** Note: Data on abstracts and claims is shown in the official language in which it was submitted.

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